

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/01246

A. CLASSIFICATION OF SUBJECT MATTER					
Int. Cl. ⁷ : H 01 Q 3/24 H 01 Q 21/29					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI, KEYWORDS: Position, TDMA, Signal, Noise, Antenna, Multipath and like terms					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
X	US 2003/0086386 A1 (TILLOTSON) 8 May 2003 abstract; column 3, line 8 - column 4, line 30; column 5, lines 12-33; claims 1, 4-5, 12, 15 figure 2	1-12			
X	US 5 648 784 A (BENEDICTO RUIZ ET AL) 15 July 1997 abstract; column 2, line 16 - column 4, line 32; column 5, lines 1-16; column 6, line 62 - column 7, line 31 claims 1, 5-7, 16-17 figures 1a, 1b, 1c, 5	1-12			
A	WO 98/05180 A (TELEFONAKTIEBOLAGET LM ERICSSON) 5 February 1998 See whole document				
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex					
* Special categories of cited documents: <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 33%; vertical-align: top;"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family </td> <td style="width: 33%;"></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family				
Date of the actual completion of the international search 12 November 2003		Date of mailing of the international search report 19 NOV 2003			
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer SUNIL KAUL Telephone No : (02) 6283 2182			

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/01246

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2307142 A (MOTOROLA LTD) 14 May 1997 See whole document	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01246

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	20030086386	NONE			
US	5648784	FR	2690010		
WO	9805180	AU	37148/97	EP	0916229
		US	5838674	KR	2000029674
GB	2307142				
					END OF ANNEX